

3.12 HAZARDOUS MATERIALS AND WASTE

This section is based on the *SR-22/West Orange County Connection Initial Site Assessment (ISA)* (December 2000) and the *ISA Reduced Build Alternative* (December 2000). For a more detailed discussion, these documents are available at Caltrans and OCTA under a separate cover.

The six cities included in the project study area are mostly urbanized. The urbanized areas include varying intensities of residential, commercial, and industrial uses. Along with the urbanization of the area has come an increase in use of materials associated with hazardous waste. These products include gasoline for automobiles and dry cleaners. Past technology, law, policy, and even ignorance regarding sound hazardous waste management practices has caused leaks and spillage.

3.12.1 Databases

There are many databases that list known hazardous materials, as shown in Table 3.12-1. A search of these databases included sites within the SR-22/West Orange County Connection study area. Figure 3.12-1 shows the locations of the listings potentially affecting the project limits.

**Table 3.12-1
REGULATORY AGENCY LISTINGS
POTENTIALLY AFFECTING PROJECT LIMITS**

Database	No. of Database Listings by Jurisdiction					
	Seal Beach	Westminster	Garden Grove	Santa Ana	Orange	Tustin
National Priorities List (NPL)/Superfund: Federal list of those sites that pose an immediate public health hazard, and where an immediate response to the discovery was necessary. These listings are also found in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) database, also known as CERCLIS. The database was last updated in January 2000.	0	0	0	0	0	0
State Priority List (SPL): Lists those high-priority sites that were compiled from the Annual Work Plan (AWP), CAL-SITE database, and sites where Preliminary Endangerment Assessments were conducted by California Environmental Protection Agency (CAL-EPA). The database was last updated in October 1999.	0	0	0	1	0	0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS): Lists sites usually abandoned or inactive hazardous substance sites that are under review by the federal EPA to determine the extent of the public health hazard. The database was last updated in October 1999.	0	0	1	4	1	0
State CERCLA or Superfund (SCL): Lists sites that are low-priority that were compiled from several State of California databases. The database was last updated in October 1999.	0	0	0	0	0	0
Resource Conservation and Recovery Act Transporter (RCRA TRANS): Federal list of sites that are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of waste. This database was last updated December 1999.	1	3	12	14	3	1

Table 3.12-1 (continued)
REGULATORY AGENCY LISTINGS
POTENTIALLY AFFECTING PROJECT LIMITS

Database	No. of Database Listings by Jurisdiction					
	Seal Beach	Westminster	Garden Grove	Santa Ana	Orange	Tustin
RCRA (Small) generator facilities: Lists sites that have federal EPA identification numbers as managers of hazardous waste as defined by RCRA. These sites include conditionally exempt small-quantity generators (CESQG) that produce less than 100 kilograms (220 pounds) per month of hazardous waste or store less than 1,000 kilograms (2,200 pounds) per month of hazardous waste; small-quantity generators (SQG) that produce more than 100 kilograms (220 pounds) per month, but less than 1,000 kilograms (2,200 pounds) per month of hazardous waste. Violations were automatically listed for the sites. The database was last updated in December 1999.	8	40	14	11	37	7
RCRA (Large) generator facilities: Lists sites that have federal EPA identification numbers as managers of hazardous waste as defined by RCRA as large-quantity generators (LQG) that produce more than 1,000 kilograms (2,200 pounds) per month of hazardous wastes, and transporters (TRAN) of hazardous waste. Violations were automatically listed for the sites. The database was last updated in December 1999.	4	16	40	51	7	1
State of California solid waste landfills (SWLF): Lists sites that generally have been identified by the state as accepting solid wastes. The sites are either active or closed. The database was last updated in November 1999.	0	0	0	1	2	0
Underground storage tank (UST) sites: Lists sites that have a registered underground storage tank on site. The majority of these tanks store petroleum products. The database was last updated in January 2000.	9	23	120	203	72	4
Leaking underground storage tanks (LUST) sites: Lists sites with a reported release of stored product, usually petroleum hydrocarbons. The database was last updated in August 1999.	11	52	115	77	24	5
Emergency Response Notification System (ERNS): Lists reports filed by local emergency response agencies such as fire and police departments, county agencies, state agencies, and federal agencies that have responded to a hazardous materials release situation. The database was last updated in August 1999.	2	11	13	31	10	0
Toxic Chemical Release Inventory System (TRIS): Lists facilities that have been identified to release toxic chemicals to the air, water, and land in reportable quantities under Superfund Authorization Reamendment Act (SARA) Title III Section 313. The database was last updated January 1998.	0	0	2	1	0	0

Source: Vista Environmental Solutions, Inc., 1999.

Figure 3.12-1 – Potential Hazardous Waste/Material Sites

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